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# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

010427810		ION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)			
010427WO International application No.	International filing date (day/mo	onth/year) Priority date (day/month/year)			
PCT/US02/30386 International Patent Classification (IPC)	CT/US02/30386 24 September 2002 (24.09.2002) 27 September 2001 (27.09.2001) ternational Patent Classification (IPC) or national classification and IPC				
IPC(7): H04Q 7/20 and US C1.: 455/43 Applicant	36,440,437,525				
QUALCOMM, INCORPORATED					
This international prelim     Examining Authority and	inary examination report has be I is transmitted to the applicant	een prepared by this International Preliminary according to Article 36.			
2. This REPORT consists of a total of sheets, including this cover sheet.					
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					
These annexes consist of	f a total of sheets.				
3. This report contains indi	cations relating to the following	g items:			
I Basis of the report					
II Priority					
III Non-establishment of report with regard to novelty, inventive step and industrial applicability					
IV Lack of unity					
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
VI Certain documents cited					
VII Certain defects in the international application					
VIII Certain observations on the international application					
Date of submission of the demand	Da	ate of completion of this report			
09 April 2003 (09.04.2003)		January 2004 (07.01.2004)			
Name and mailing address of the IPEA/US		thorized officer Tuwen Pan Elephone No. 103-806-3377			
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents	Y1	uwen Pan			
P.O. Box 1450 Alexandria, Virginia 223 13-1450		elephone No. 103-906-1377			
Facsimile No. (703)305-3230 Form PCT/IPEA/409 (cover sheet)(Jul	v 1009)				

#### INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.	
PCT/US02/30386	

·	Rocis	s of the report
		regard to the elements of the international application:*
ι.		the international application as originally filed.
		the description: pages 1-16 as originally filed
		pages NONE , filed with the demand
		pages NONE , filed with the letter of
	$\boxtimes$	the claims:
	<u></u>	pages 17-22 , as originally filed
		pages NONE , as a samended (together with any statement) under Article 19
		pages NONE , filed with the demand pages NONE , filed with the letter of
		the drawings: pages 1-3, as originally filed
		pages NONE filed with the demand
		pages NONE , filed with the letter of
		the sequence listing part of the description:
	لنسببيا	pages NONE , as originally filed
		pages NONE, filed with the demand
_		pages NONE, filed with the letter of  h regard to the language, all the elements marked above were available or furnished to this Authority in the
2	. Wit	h regard to the language, all the elements marked above were available indicated under this item.
	The	se elements were available or furnished to this Authority in the following language which is:
		the language of a translation furnished for the purposes of international search (under Rule23.1(b)).
	H	the language of publication of the international application (under Rule 48.3(b)).
		the language of the translation furnished for the purposes of international preliminary examination (under Rules
	L	55.2 and/or 55.3).
4	3. Wii	th regard to any nucleotide and/or amino acid sequence disclosed in the international application, the
	inte	emational preliminary examination was carried out on the basis of the sequence listing:
		contained in the international application in printed form.
		filed together with the international application in computer readable form.
		furnished subsequently to this Authority in written form.
		furnished subsequently to this Authority in computer readable form.
	<b> </b>	The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the
	L	international application as filed has been furnished.
	[	The statement that the information recorded in computer readable form is identical to the written sequence listing
	<u> </u>	has been furnished.
	4.	The amendments have resulted in the cancellation of:
١	-	
		the description, pages NONE
		the claims, Nos. NONE
Ì	_	the drawings, sheets/fig NONE
	5.	This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**
	this wa	placement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to it port as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).
1	** An	y replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.
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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US02/30386

V. Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. STATEMENT			
Novelty (N)	Claims 2-20	370	
		VEC	
Inventive Step (IS)	Claims NONE Claims 1-20	NO	
Industrial Applicability (IA)	Claims 1-20		
<u>.</u>	Claims NONE	NO	
A receiver comprising: A receiver portion (see figure 2 and item and lines 44-57); A low pass filter (see figure 2 and item 3 (see column 6 and line 47- column 7 and line 9) A processor for processing said base band frequence Claims 3,6,9-11,13-15,17-19,20 are an indiscloses a method in a communication system compown converting a received signal to prolines 44-57); Processing said on-channel received sample column 9 and line 4) Processing said out-of-channel received sample it would have been obvious to one ordinated Horner's method such that position of selective base Claims 2,4,5,7,8,12,16 are an inventive Bottomley (WO 98/19491) and Willey (US005854) Horner doesn't disclose a low noise amplified line 24-page 7 and line 15). It would have been obvious to one ordinated by with Horner's system such that received Horner doesn't disclose said receiver bases aid on-channel and out-of-channel received sample Willey discloses a receiver back-end portions and the processing said on-channel and out-of-channel received sample willey discloses a receiver back-end portions and sevent and sevent appears to the sevent and sevent appears of the sevent and sevent appears of the sevent and sevent appears of the sevent appears of the sevent and sevent appears of the seven	eventive step under PCT Article 33(3) as being prising: duce on-channel and out-of-channel received a des to decode on channel information (see fig ampled to determined a link quality (pilot sign ry skill in the art at the time the invention was a station is determined for better hard handoff step under PCT Article 33(3) as being obvious 785A). ifier for amplifying said received signal for processary skill in the art at the time the invention was a signal would be amplified for further decodictly she are the process. It is not provided as a number of fingers element and figure 1 and items 107 and 109, column 5 and ary skill in the art at the time the invention was giths from neighbor base stations are measure	pase band frequency (see column 3 oduce on-channel received samples is (see column 4 and lines 48-62)  g obvious over Horner. Horner samples (see figure 2, column 3 and ture 2, 3e-31, column 7 and line 59-mal, see column 2 and lines 43-45) is made to utilize GPS system with f.  s over Horner et al in view of rocess in said receiver. The sees in said receiver (see page 6 and as made to combine the teaching of the processing.  The searcher for processing said on-line 22-column 6 and line 26). In made to combine the teaching of the searcher for processing said on-line 22-column 6 and line 26).	